A1

a second set of patient data from the second application is displayed. The method also includes retrieving the first set of patient data from an image data base and retrieving a second set of patient data from a Radiology Information System. The step of providing further includes generating an event based on a patient context and providing the event to the second application for further processing. The method also includes converting the event obtained from a first object model to a second object model and providing the converted event to the second application.

- *Delete the second full paragraph at page 5, lines 8-9 and substitute the following paragraph: (The changes are shown explicitly in the attached "Version With Markings to Show Changes Made.")*

A2

Fig. 3 is a block diagram illustrating the patient information data system architecture according to an exemplary embodiment;

- *Delete the third full paragraph at page 5, lines 10-11 and substitute the following paragraph: (The changes are shown explicitly in the attached "Version With Markings to Show Changes Made.")*

A3

Fig. 4 is a flow chart illustrating the process flow of the patient data information system according to an exemplary embodiment;

- *Delete the first full paragraph beginning at page 6, line 4 and ending at page 7, line 2. (The changes are shown explicitly in the attached "Version With Markings to Show Changes Made.")*

A4

The patient data information system (10) provides for integration between the applications residing on workstation (52) and third party applications residing on the same workstation or the network to which the workstation is coupled to improve work flow and productivity of patient data information. During the treatment of a patient (P) a user, typically a radiologist, will log into a workstation to obtain patient information, usually textual data as well as image data. The user will manipulate or use that information and provide additional input based on observation and analysis relating to the treatment and care of the patient based on the patient data made available on the information system. The present patient data information system (10) integrates the patient image data with the patient textual data on the same workstation. The present patient data information system (10) provides the

communication mechanism that allows different applications residing on the workstation or on the network to which the workstation is attached to share the context information. The system (10) includes a conduit that allows two-way patient context exchanges between the multiple applications residing on the same workstation or the same workstation network. The patient context includes, for example, patient identification data, user identification data and patient examination information, etc. Patient data is obtained by inputting data, either textual or image data from the various modalities to which a patient is subjected during a medical treatment. Such modalities can include magnetic resonance imaging (MRI) devices or ultrasound or computer tomology imaging (CT) devices or it can include data inputted with a word processing application. Such patient data is stored in either the RIS data base (8) or the PACS data base (6) either directly through the PACS broker data base (11) or through a DICOM gateway.

● ***Delete the first full paragraph at page 7, lines 3-20 and substitute the following paragraph:.*** *(The changes are shown explicitly in the attached "Version With Markings to Show Changes Made.")*

Referring now to Figure 2, the present patient data information system (10) comprises a display unit (50) which can include one or more high resolution monitors (54) (shown in Figure 1) coupled to a workstation (52). The workstation (52) is configured to operate a first software application (30) configured to display patient images, for a patient (P), on the display unit (50) upon request by a user via an input unit (56) coupled to the workstation (52). The first application (30) is configured to generate a patient context (12) for the patient (P) and provide the patient context (12) to a second software application (32). The second application (32) displays patient data from the second application (32) based on the patient context (12). In this exemplary embodiment, the first application (30) is configured to retrieve patient image data from a Picture Archival and Communication System (PACS) database (6) and the second application (32) is configured to retrieve patient textual data from a Radiology Information System (RIS) data base (8) wherein the patient data includes the patient textual data. As is mentioned above, the display unit (50) includes a monitor (54) (shown in Figure 1) having a resolution of at least 90 dots per inch (dpi).